Screenflex® Portable Partitions Inc.

The World's Most Versatile Room Dividers!™

Dear prospective customer,

This fire test of our entire panel was completed by an independent testing laboratory using the high standards established by the "American Society for Testing of Materials". (ASTM)

The specific test method used is named E84-05, "Standard Test Method for Surface Burning Character of Building Materials". As you see the results of the test are EXCELLENT... with a flame spread rating of ZERO.

Should you have any questions please contact me at 800-553-0110.

Sincerely,

Rich Maas

Rich Maas
Vice President

585 CAPITAL DRIVE • LAKE ZURICH, IL 60047 • 847-726-2900 • 847-726-2990 FAX • SCREENFLEX.COM

TEST REPORT

ASTM E84-08

SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS

Report No. 3169432SAT-001

Non Woven Polyester Fabric

December 23, 2008

Prepared for:
Screenflex Portable Partitions
585 Capital Dr
Lake Zurich IL 60047

Intertek Testing Services NA, Inc.
16015 Shady Falls Road
Elmendorf, TX 78112
(voice) 210-635-8100
(fax) 210-635-8101
www.intertek-etlsemko.com

ABSTRACT

Test Specimen: **Non Woven Polyester Fabric**

Test Standard: **ASTM E84-08**

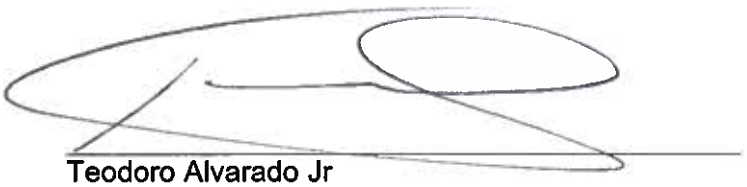
Test Date: **December 22, 2008**

Test Sponsor: **Screenflex Portable Partitions**

Test Results:

FLAME SPREAD INDEX	=	0
SMOKE DEVELOPED INDEX	=	30
	=	NA ft. Beyond Burners Centerline

3169432SAT-001



Teodoro Alvarado Jr
E84 Operator

December 23, 2008

Reviewed and approved:

Miguel Zamarripa
Project Manager

December 23, 2008

I INTRODUCTION

This report describes the results of the ASTM E84-08 Standard Test Method for SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS , a method for determining the comparative surface burning behavior of building materials,. This test is applicable to exposed surfaces, such as ceilings or walls, provided that the material or assembly of materials, by its own structural quality or the manner in which it is tested and intended for use, is capable of supporting itself in position or being supported during the test period.

The purpose of the method is to determine the relative burning behavior of the material by observing the flame spread along the specimen. Flame spread and smoke density developed are reported, however, there is not necessarily a relationship between these two measurements.

"The use of supporting materials on the underside of the test specimen may lower the flame spread index from that which might be obtained if the specimen could be tested without such support. This method may not be appropriate for obtaining comparative surface burning behavior of some cellular plastic materials. Testing of materials that melt, drip, or delaminate to such a degree that the continuity of the flame front is destroyed, results in low flame spread indices that do not relate directly to indices obtained by testing materials that remain in place."

This test method is also published under the following designations:

ANSI 2.5
NFPA 255
UBC 8-1 (42-1)
UL 723

This standard should be used to measure and describe the properties of materials, products, or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use.

II PURPOSE

The ASTM E84-08 (25 foot tunnel) test method is intended to compare the surface flame spread and smoke developed measurements to those obtained from tests of fiber cement board and select grade red oak flooring. The test specimen surface (18 inches wide and 24 feet long) is exposed to a flaming fire exposure during the 10 minute test duration, while flame spread over its surface and density of the resulting smoke are measured and recorded. Test results are presented as the computed comparisons to the standard calibration materials.

The furnace is considered under calibration when a 10 minute test of red oak decking will pass flame out the end of the tunnel in five minutes, 30 seconds, plus or minus 15 seconds. Fiber cement board forms the zero point for both flame spread and smoke developed indexes, while the red oak flooring smoke developed index is set as 100.

III DESCRIPTION OF TEST SPECIMEN

Specimen Identification:	Non Woven Polyester Fabric
Date Received:	12/16/2008
Date Prepared:	12/16/2008
Conditioning (73°F & 50% R.H.):	6 days
Specimen Width (in):	24
Specimen Length (ft):	24
Specimen Thickness:	NA-in.
Material Weight:	NA oz./sq. yd
Total Specimen Weight:	NA-lbs.
Adhesive or coating application rate:	NA

Mounting Method:

The specimen was supported on 1/4 in steel rods and 2 inch galvanized hexagonal wire mesh.

Specimen Description:

The test specimen was described by the client as the "Non Woven Stitchbond Polyester Fabric." The samples were received in good condition.

IV TEST PROCEDURE

The tests were conducted in accordance with the procedures outlined in the American Society for Testing and Materials ASTM E84-05. The self- supporting specimens were placed directly on the tunnel ledges. As required by the standard, one or more layers of 0.25 inch thick reinforced concrete board was placed on top of the test sample between the sample and the tunnel lid. After the tests, the samples were removed from the tunnel, examined and disposed of.

The test was conducted on 12/22/2008, and not witnessed by any third parties.

V TEST RESULTS

The test results, computed on the basis of observed flame front advance and electronic smoke density measurements are presented in the following table. In recognition of possible variations and limitations of the test method, the results are computed to the nearest number divisible by five, as outlined in the test method for smoke developed index results greater than 200 the calculated value is rounded to the nearest 50 points.

While no longer a part of this standard test method, the Fuel Contributed Value has been computed, and may be found on the computer printout sheet in the Appendix.

(30Minute) Test Specimen	E84 (10 Minute) Flame Spread Index	E84 (10 Minute) Smoke Developed Index	NFPA 703 ft
Fiber Cement Board	0	0	N/A
Red Oak Flooring	100		N/A
Non Woven Polyester Fabric	**0**	**30**	**NA**

The data sheets are included in the Appendix. These sheets are actual print-outs of the computerized data system which monitors the ASTM E84-08 apparatus, and contain all calibration and specimen data needed to calculate the test results.

VI OBSERVATIONS

During the test, the specimen was observed to behave in the following manner:
No test observations are available.
The test continued for the 10:00 duration.

After the test the specimen was observed to be damaged as follows:
No Information available.

APPENDIX

ASTM E84-08
Data Sheets

ASTM E84-08

Client: SCREENFLEX PORTABLE PARTITIONS
Date: 12-22-2008
Project Number: 3169432SAT-001
Test Number: 1
Operator: RL/AA

Specimen ID: NON-WOVEN STITCHBOND POLYESTER FABRIC

TEST RESULTS

FLAMESPREAD INDEX: 0

SMOKE DEVELOPED INDEX: 30

SPECIMEN DATA . . .

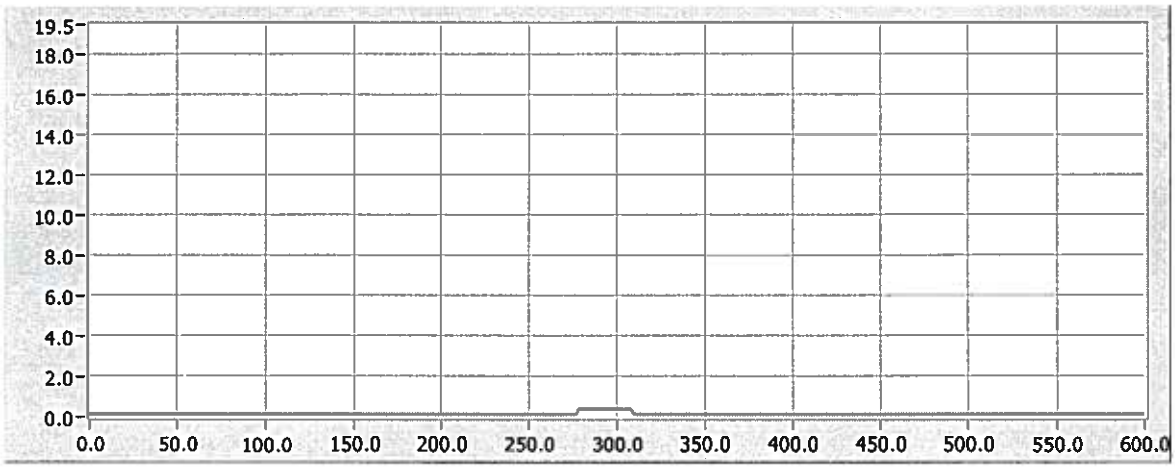
Time to Ignition (sec): 4
Time to Max FS (sec): 278
Maximum FS (feet): 0.3
Time to 980 F (sec): Never Reached
Time to End of Tunnel (sec): Never Reached
Max Temperature (F): 524
Time to Max Temperature (sec): 592
Total Fuel Burned (cubic feet): 53.73

FS*Time Area (ft*min): 2.4
Smoke Area (%A*min): 30.5
Unrounded FSI: 1.3

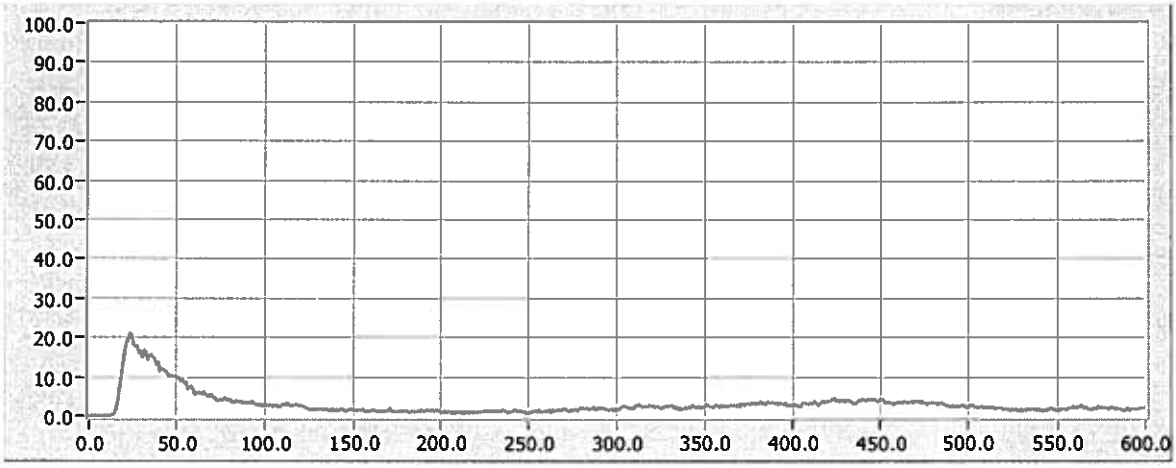
CALIBRATION DATA . . .

Time to Ignition of Last Red Oak (Sec): 32.0
Red Oak Smoke Area (%A*min): 107.0

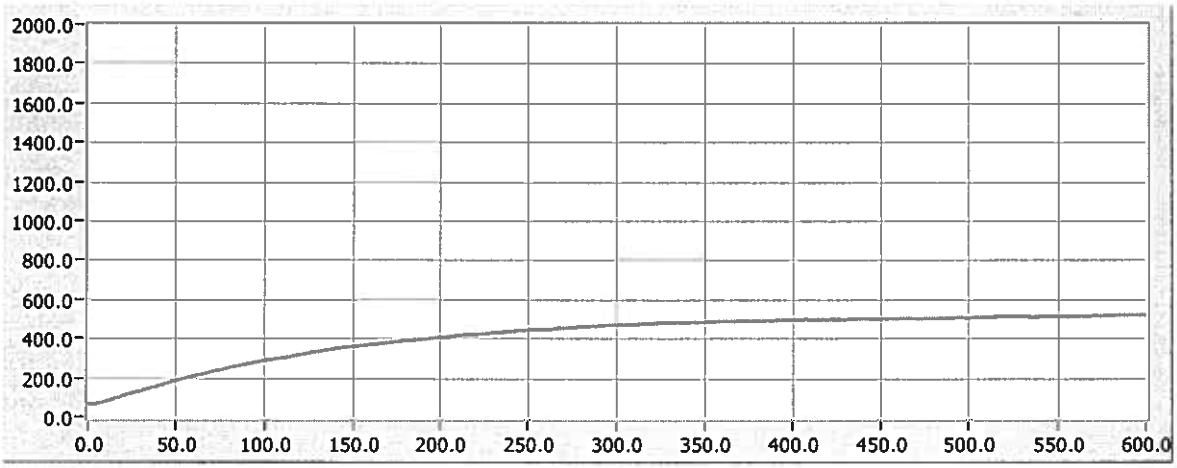
FLAME SPREAD (ft)



Smoke (%A)



Temperature (°F)



Time (sec)

600